

CLAIMS

The invention claimed is:

- 1 1. A shower head for selectively adding liquid soap to shower water, comprising:
 - 2 a) a nozzle;
 - 3 b) a reservoir;
 - 4 c) a partition; and
 - 5 d) an apparatus;
- 6 wherein said reservoir is contained in said nozzle;
- 7 wherein said reservoir contained in said nozzle is for holding the liquid soap
- 8 therein;
- 9 wherein said partition is contained in the nozzle;
- 10 wherein said partition contained in said nozzle defines a first chamber
- 11 contained in the nozzle;
- 12 wherein said partition contained in said nozzle defines a second chamber
- 13 contained in the nozzle;
- 14 wherein said reservoir contained in said nozzle fluidly communicates with said
- 15 second chamber contained in said nozzle;
- 16 wherein said apparatus is contained in said nozzle; and
- 17 wherein said apparatus contained in said nozzle is for selectively directing
- 18 water from a water source into either said first chamber contained in said
- 19 nozzle where it exists said nozzle as the shower water or into said second
- 20 chamber contained in said nozzle where by creating a negative pressure due

21 to its flow draws down the liquid soap from said reservoir contained in said
22 nozzle to mix therewith and exit said nozzle as soapy shower water.

1 2. The shower head as defined in claim 1, wherein said nozzle has a
2 forwardmost wall;
3 wherein said nozzle has an uppermost wall;
4 wherein said nozzle has a rearwardmost wall; and
5 wherein said nozzle has an outlet.

1 3. The shower head as defined in claim 2, wherein said reservoir contained in
2 said nozzle is defined by a floor.

1 4. The shower head as defined in claim 3, wherein said floor defining said
2 reservoir contained in said nozzle extends rearwardly and upwardly from said
3 forwardmost wall of said nozzle to said uppermost wall of said nozzle.

1 5. The shower head as defined in claim 1, wherein said reservoir contained in
2 said nozzle has a plug; and
3 wherein said plug of said reservoir contained in said nozzle is for allowing said
4 reservoir contained in said nozzle to be filled with the liquid soap when
5 removed.

1 6. The shower head as defined in claim 5, wherein said plug of said reservoir
2 contained in said nozzle is disposed at said forwardmost wall of said nozzle.

1 7. The shower head as defined in claim 3, wherein said floor defining said
2 reservoir contained in said nozzle has perforations;
3 wherein said perforations in said floor defining said reservoir contained in said
4 nozzle allow said reservoir contained in said nozzle to fluidly communicate
5 with said second chamber contained in said nozzle; and
6 wherein said perforations in said floor defining said reservoir contained in said
7 nozzle is for allowing the liquid soap to leave said reservoir contained in said
8 nozzle, enter said second chamber contained in said nozzle, mix with the
9 water from the water source, and exit said nozzle as soapy shower water
10 when the water from the water source is directed by said apparatus into said
11 second chamber contained in said nozzle and creates the negative pressure
12 due to its flow that draws down the liquid soap from said reservoir contained
13 in said nozzle into said second chamber contained in said nozzle.

1 8. The shower head as defined in claim 3, wherein said partition contained in
2 said nozzle extends upwardly from engagement with said outlet of said nozzle
3 to below said floor defining said reservoir contained in said nozzle so as to
4 form a conduit therebetween, and then extends rearwardly therefrom still
5 below said floor defining said reservoir contained in said nozzle to between
6 said uppermost wall of said nozzle and said rearwardmost wall of said nozzle
7 where it terminates in a terminal end.

1 9. The shower head as defined in claim 8, wherein said apparatus comprises a
2 door;

3 wherein said door of said apparatus is pivotally attached to said terminal end
4 of said partition contained in said nozzle.

1 10. The shower head as defined in claim 9, wherein said door of said apparatus
2 is pivotally attached by a pivot pin to said terminal end of said partition
3 contained in said nozzle.

1 11. The shower head as defined in claim 9, wherein said door of said apparatus
2 sweeps from a first position of engagement with said uppermost wall of said
3 nozzle where it closes said conduit contained in said nozzle preventing the
4 water from the water source from entering said second chamber contained in
5 said nozzle and mixing with the liquid soap while simultaneously opening
6 communication of the water from the water source with said first chamber
7 contained in said nozzle so as to allow only the shower water to exit said outlet
8 of said nozzle, to a second position of engagement with said rearwardmost
9 wall of said nozzle where it closes communication of the water from the water
10 source with said first chamber contained in said nozzle while simultaneously
11 opening said conduit contained in said nozzle allowing the water from the
12 water source to enter said second chamber contained in said nozzle and mix
13 with the liquid soap by creating the negative pressure that draws down the
14 liquid soap from said reservoir contained in said nozzle thereinto so as to allow
15 only the soapy shower water to exit said outlet of said nozzle.

1 12. The shower head as defined in claim 10, wherein said pivot pin of said
2 apparatus extends through said nozzle to a terminal end.

1 13. The shower head as defined in claim 12, wherein said apparatus comprises
2 a knob; and
3 wherein said knob of said apparatus engages, and rotates with, said terminal
4 end of said pivot pin of said apparatus so as to selectively move said door of
5 said apparatus between its first and second positions.

1 14. The shower head as defined in claim 1; further comprising a handle;
2 wherein said handle extends from said nozzle; and
3 wherein said handle is in fluid communication with said nozzle.